

# WATER TEST REAGENT

## For Laboratory Use Only

Form G-1.4/78

SMALL VOLUMES USED  
CONTAINER SIZE RANGE  
2 OUNCE - 1 GALLON MAXIMUM

### MATERIAL SAFETY DATA SHEET

#### • Section 1 - PRODUCT IDENTIFICATION

MANUFACTURER'S NAME DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co.		EMERGENCY PHONE NO. 312/438-8241
ADDRESS 300 Genesee St., Lake Zurich, IL 60047		
CHEMICAL NAME AND SYNONYMS Chromate indicator solution		TRADE NAME OR CODE IDENT. Code 513

#### • Section 2 - INGREDIENTS

	CAS No.	%	EXPOSURE CRITERIA
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Potassium dichromate - in aqueous solution	7778-50-9	5.0	TWA: 0.05 mg/m <sup>3</sup> (as Cr)
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#### • Section 3 - PHYSICAL DATA

BOILING POINT, 760mm Hg	<i>U/K</i>	MELTING POINT	<i>N/A</i>
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	<i>"</i>	VAPOR PRESSURE	<i>"</i>
VAPOR DENSITY (AIR = 1)	<i>"</i>	SOLUBILITY IN H <sub>2</sub> O, % BY WT.	Complete
% VOLATILES BY VOLUME	<i>"</i>	EVAPORATION RATE, _____ = 1	<i>"</i>
APPEARANCE AND ODOR	Yellow, odorless liquid		pH
			<i>N/A</i>

#### • Section 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and Method Used) None	FLAMMABLE LIMITS in AIR, % by VOLUME LOWER UPPER	AUTO IGNITION TEMPERATURE <i>None</i>
EXTINGUISHING MEDIA <input type="checkbox"/> Water Fog <input type="checkbox"/> Foam <input type="checkbox"/> CO <sub>2</sub> <input type="checkbox"/> Dry Chemical <input type="checkbox"/> Other		

SPECIAL FIRE FIGHTING PROCEDURES

UNUSUAL FIRE AND EXPLOSION HAZARD

#### • Section 5 - REACTIVITY DATA

STABILITY (Normal Conditions) <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID <i>None</i>
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INCOMPATIBILITY (Materials to Avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID <i>None</i>
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(over)

**MATERIAL SAFETY DATA SHEET (Continued)**● **Section 6 -- HEALTH HAZARD INFORMATION****EXPOSURE LIMIT**

See Section 2, Exposure Criteria

**EFFECTS OF OVEREXPOSURE****INHALATION**

Avoid inhalation of dried solution (powder) which will irritate or damage nasal septum. Hexavalent chromate salts in this product are suspect or positive carcinogens. Control inhalation exposure to prevent exceeding TWA, or use dust respirator. See Section 7.

**INGESTION**

Harmful if swallowed; may be fatal. Induce vomiting using syrup of ipecac or other emetic. Drink copious amounts of water to dilute. Seek medical attention immediately.

**SKIN OR EYE CONTACT**

Avoid contact to prevent irritation, dermatitis, or chrome ulcers. Wash skin with soap and water. Wash eyes using clear water and contact physician.

**EMERGENCY AND FIRST AID PROCEDURES**

Maintain good hygiene practices at all times.

● **Section 7 -- SPECIAL PROTECTION INFORMATION****VENTILATION REQUIREMENTS**

Mechanical ventilation is adequate in normal use.

**RESPIRATORY PROTECTION (Specify Type)**

If powdered chromate is present resulting from dried solution, use 3M #8710, Moldex 2200 or similar dust respirator.

**EYE PROTECTION**

Safety glasses

**GLOVES (Specify Type)**

PVC

**OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)**

*None*

● **Section 8 -- SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Use absorbent paper towel and discard in waste container. Rinse area of spill with water.

**WASTE DISPOSAL METHOD**

Dispose in chemical waste container. Destroy bottle.

● **Section 9 -- SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Protect container from physical damage.

Keep closed when not in use.

**OTHER PRECAUTIONS**

Shipping Name: DOT Chemicals, NOI, Water Testing Reagents - NOT RESTRICTED  
IATA

Prepared By W. M. Morris

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